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This document provides additional assistance with wiring your Extron IP Link enabled product to your device.

Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: DVD Manufacturer: Denon Firmware Version: N/A

Model(s): DBP-2012UDCI

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
3	1/20/2012	1.5.1	3.3.1	Extron Certified. Added Subtitle Command.
2	12/30/2011	1.5.1	3.3.1	Extron Certified. Fixed disconnection issues. Tested on DBP-2012UDCI
1	8/22/2011	1.4.0	3.2.0	Initial version.

Driver Notes:

This driver is not recommended for pass through mode.

The subtitle command was not tested on the device.

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Control Commands & States:

Angle	Toggle			
Aspect Ratio	16:9	16:9 Wide 4:3 Pan Scan		
	4:3 Letter Box			
Function	Clear	Program Setup		
	Display	Random		
Keypad	0 – 9	0 – 9 +10		
Menu Call	Root Menu	Top Menu Home		
Menu Navigation	Up	Down Left		
	Right	Enter	Return	
Power Control	On	Off		
Repeat Mode	Repeat	AB		
Subtitles	Primary	Primary Text	Secondary	
Transport	Play	Stop	Pause	
	Random	Repeat	Next	
	Previous	FFwd	Rew	
	Eject			

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Status Available:

Connection Status	Connected	Disconnected			
Current Chapter/Track No.	Chapter/Track No.				
Current Title/Album No.	Title/Album No.				
Disc Type Status	DVD Video	DVD Audio	CD-DA		
	CD-ROM	Unknown	SACD		
	DVD VR	BDMV	BDAV		
	AVCHD	Web Stream	DLNA		
	AVCREC	External Memory	Status Unavailable		
Playback Status	Standby	Disk Loading	Tray Opening		
	Tray Closing	No Disc	Stopped		
	Playing	Paused	Scan		
	Searching	Setup	Resume Stop		
	DVD Menus	Status Unavailable			
Power Control	On	Off			
Subtitle Language	Japanese	English	French		
	Deutsch	Italian	Espanol		
	Netherlands	Chinese	Russian		
	Korean	Other	Status Unavailable		
Transport	Play	Stop	Pause		

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MLC62 Supported Commands:

Angle	Toggle				
Aspect Ratio	16:9	16:9 Wide	4:3 Pan Scan		
	4:3 Letter Box	4:3 Letter Box			
Function	Clear	Program	Setup		
	Display	Random			
Keypad	0 – 9	+10			
Menu Call	Root Menu	Top Menu Home			
Menu Navigation	Up	Down	Left		
	Right	Enter	Return		
Power Control	On	Off			
Repeat Mode	Repeat	AB			
Subtitles Primary		Primary Text	Secondary		
Transport	Play	Stop	Pause		
	Random	Repeat	Next		
	Previous	FFwd	Rew		
	Eject				

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Cable and Adapter Requirements:

M/F RS-232 straight serial cable (Extron Electronics P/N 26-433-XX)

Notes for the Device:

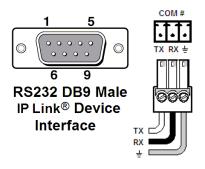
By default, the Denon DVD Power Saving option is set to ON. This will prevent the Denon device to communicate with control command when the device is on standby. In order to use the RS232 communication, you need to change the Power Saving option to OFF. To disable the Power Saving option, the steps are as follows:

System → General Settings → Power Saving

Serial communication:

Port Type:RS-232Parity:EvenBaud Rate:9600Stop Bits:1Data Bits:8Flow Control:None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RxD	2	—	2	TxD
TxD	3	─	3	RxD
GND	5		5	GND



Note: Captive screw connector may also be used as a serial connection.

General Notes: